REQUEST

For receiving Office us only	
International Application No.	
International Filing Date	
Name of receiving Office and "PCT International Ap	plication"
Applicant's or agent's file reference	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Office and "PCT International Application"					
	Applicant's or agent's (if desired) (12 charact	s file reference sters maximum) TA	AB/60239/001			
Box No. I TITLE OF INVENTION Improvements in Substrates						
Box No. II APPLICANT This person	on is also inventor		,-			
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)						
De La Rue International Limited De La Rue House		Facsimile No.				
Jays Close Viables Basingstoke		Teleprinter No.				
Hampshire RG22 4BS United Kingdom		Applicant's regi	stration No. with the Office			
State (that is, country) of nationality: GB	State (that is, country, GB) of residence:				
This person is applicant for the purposes of: all designated states all designated the United States	d States except tates of America	the United States of America only	the States indicated in the Supplemental Box			
Box No. III FURTHER APPLICANT(S) AND/OR (FURT						
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of t Box is the applicant's State (that is, country) of residence if no State of residen HARD; Steven John 70A Park Lane Chippenham Wiltshire United Kingdom SN15 1LW	he address indicated in this ce is indicated below.)	inventor is market	nt only It and inventor It only (If this check-box It do not fill in below.) Stration No. with the Office			
State (that is, country) of nationality: GB	State (that is, country) GB	of residence:	*			
This person is applicant all designated for the purposes of:	d States except tates of America	the United States of America only	the States indicated in the Supplemental Box			
Further applicants and/or (further) inventors are indicated of	on a continuation sheet.		·			
Box No. IV AGENT OR COMMON REPRESENTATIVE	OR ADDRESS FOR	CORRESPOND	ENCE			
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	as:	agent	common representative			
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of co BUCKS; Teresa Anne	ty, full official designation. ountry.)	Telephone No. +44 (0)20 743	0 7500			
BOULT WADE TENNANT VERULAM GARDENS 70 GRAY'S INN ROAD	Facsimile No. +44 (0)20 7430 7600					
LONDON WC1X 8BT UNITED KINGDOM	Teleprinter No.					
•	·		ion No. with the Office			
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to	no agent or common rep which correspondence s	resentative is/has hould be sent.	been appointed and the			



Box No. V DESIGNATION OF STATES

Mark the applicable check-boxes below; at least one must be marked.

Th	e foll	owing designations are hereby made un	der Rule 4.9(a):					
Re	egion	ial Patent				•		
	_	ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line)						
	EA	Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT						
X	EP	European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT						
X	OA	GA Gabon, GN Guinea, GQ Equator TD Chad, TG Togo, and any other St	Benin, CF Central African Republic, CC rial Guinea, GW Guinea-Bissau, ML Mate which is a member State of OAPI and cify on dotted line)	i, M a Co	R N ntra	Mauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind		
Na	ıtion	al Patent (if other kind of protection of	r treatment desired, specify on dotted line):					
		United Arab Emirates		X	N7	New Zealand		
			HR Croatia					
			HU Hungary					
X	AM	Armenia	ID Indonesia			Poland		
			IL Israel					
			IN India					
X	ΑZ	Azerbaijan	IS Iceland	X	RU	Russian Federation		
X	BA	Bosnia and Herzegovina	JP Japan					
X	BB	Barbados	KE Kenya	X	SC	Seychelles		
X	\mathbf{BG}	Bulgaria	KG Kyrgyzstan	X	SD	Sudan		
X	BR	Brazil	KP Democratic People's Republic	X	SE	Sweden		
X	\mathbf{BY}	Belarus	of Korea	X	SG	Singapore		
X	BZ		KR Republic of Korea					
			KZ Kazakhstan					
		& LI Switzerland and Liechtenstein 📮				Tajikistan		
		China				Turkmenistan		
			LR Liberia	X	TN	Tunisia .		
			LS Lesotho					
		Cuba		X	TT	Trinidad and Tobago		
		Czech Republic		_				
		Germany				United Republic of Tanzania		
		Denmark				Ukraine		
			MD Republic of Moldova					
X	DZ	Algeria			US			
			MG Madagascar					
			MK The former Yugoslav Republic of					
	ES	Spain	Macedonia					
		Finland	MN Mongolia			Viet Nam		
			MWMalawi					
			MX Mexico					
(A)	CH	Ghana	MZ Mozambique					
	GH	Guana	I NO NORWAY		ΖW	Zimbabwe		
Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet:								
			1					
		🗀	l					
Pro	Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all							
				1 1		- (-)		

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)



Supplemental Box

If the Supplemental Box is not used, this sheet should not be included in the request.

- If, in any of the Boxes, except Boxes Nos. VIII(i) to (v) for which a special continuation box is provided, the space is insufficient to furnish all the information: in such case, write "Continuation of Box No..." (indicate the number of the Box) and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient, in particular:
- (i) if more than two persons are to be indicated as applicants and/or inventors and no "continuation sheet" is available: in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked: in such case, write "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America: in such case, write "Continuation of Box No. II" or "Continuation of Box No. II" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents: in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "continuation" or "continuation-in-part": in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;
- (vi) if, in Box No. VI, there are more than five earlier applications whose priority is claimed: in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.
- If, with regard to the precautionary designation statement contained in Box No. V, the applicant wishes to exclude any State(s) from the scope of that statement: in such case, write "Designation(s) excluded from precautionary designation statement" and indicate the name or two-letter code of each State so excluded.

Continuation of Box No. iv

BAYLISS; Geoffrey Cyril
BAVERSTOCK; Michael George Douglas
ALLARD; Susan Joyce
ALEXANDER; Thomas Bruce
CROSS; Rupert Edward Blount
BUCKS; Teresa Anne
BALDOCK; Sharon Claire
PLUCKROSE; Anthony William
McLEISH; Nicholas Alistair Maxwell
HAYES; Adrian Chetwynd
MERRIFIELD; Sarah Elizabeth
DRAPER; Martyn John
FROST; Alex John
SETNA; Rohan Piloo
MURPHY; Colm Damien

		Sheet No 4	1		
Box No. VI PRIORITY	CLAIM			<u></u>	
The priority of the following	g earlier application(s) is here	by claimed:			
Filing date	Number	,	Where earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office		
item (1) 26/6/02	0214645.4	United Kingdom			
item (2)		,			
item (3)					
item (4)				·	
item (5)					
Further priority claims	are indicated in the Suppleme	ental Box.			
Industrial Property or one M	on is an ARIPO application, in Tember of the World Trade Or	ganization for which that e	party to the Paris Conve earlier application was fil	ed (Rule 4.10(b)(ii)):	
. EĐ	arching Authority (ISA) (if t the Authority chosen; the two		Searching Authorities are o	competent to carry out the	
Request to use results of ea International Searching Auth	rlier search; reference to the	hat search (if an earlier se	earch has been carried ou	t by or requested from the	
Date (day/month/year)	Numb	er Coun	try (or regional Office)		
Box No. VIII DECLARA	TIONS				
	are contained in Boxes Nos.			Number of declarations	
Box No. VIII (i)	Declaration as to the identit	y of the inventor		:	
Box No. VIII (ii)	:				
Box No. VIII (iii) Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application					

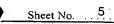
Declaration of inventorship (only for the purposes of the designation of the

Declaration as to non-prejudicial disclosures or exceptions to lack of novelty

United States of America)

Box No. VIII (iv)

Box No. VIII (v)



Box No. VIII (ii) DECLARATION: ENTITLEMENT TO APPLY FOR AND BE GRANTED A PATENT

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.

Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:

In relation to this international application

DE LA RUE INTERNATIONAL LIMITED is entitled to apply for an be granted a patent by virtue of an assignment from the inventor HARD; Steven John dated 11 June 2003.

This declaration is made for the purposes of all designations except the designation of the United States of America.

This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".



Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)
The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v)
(in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

for the purposes of the designation of the United States of America:					
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.					
This declaration is directed to the international application of which it forms a part (if filing declaration with application).					
This declaration is directed to international application No. PCT/	ishing declaration pursuant				
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.					
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.					
Prior Applications:					
I hereby acknowledge the duty to disclose information that is known by me to be material to pa 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available of the prior application and the PCT international filing date of the continuation-in-part application.	atentability as defined by able between the filing date				
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Name: HARD; Steven John					
Residence: United Kingdom (city and either US state, if applicable, or country)					
Mailing Address: 70A Park Lane, Chippenham, Wiltshire, United Kingdom					
Citizenship: British					
Inventor's Signature: 20 March Date: 11/06/03	(BATHFORD)				
(if not contained in the request, or if declaration is corrected or added under Rule 26 rer after the filing of the international application. The signature must be that of the inventor, not that of the agent) (of signature which is not contained declaration that is corrected or adder filing of the international application that is corrected or adder filing of the international application that is corrected or adder application.	d under Rule 26ter after the				
	`\				
Name:	i i				
Residence: (city and either US state, if applicable, or country)					
Mailing Address:					
	• • • • • • • • • • • • • • • • • • • •				
Citizenship:					
Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: (of signature which is not contained declaration that is corrected or added filing of the international application that of the agent)	ed in the request, or of the dunder Rule 26ter after the				
This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".					

Form PCT/RO/101 (declaration sheet (iv)) (March 2001; reprint January 2003)

See Notes to the request form

		7
Sheet	3 E .	•
neer	חאו	

Box No. IX CHECK LIST; LANGUAGE	OF FILIN	'G					
This international application contains: (a) in paper form, the following number of sheets: This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):							
sheets: request (including	I	fee calculation sheet	,				
declaration sheets) : 7	2. 🔀	original separate power of attorney	· ,				
description (excluding	·	original general power of attorney	•				
sequence listings and/or tables related thereto)	4.	copy of general power of attorney; reference number,	•				
claims : 11		if any:	:				
abstract : 1	5. 🔲	statement explaining lack of signature	:				
drawings : 5	6. 🗖	priority document(s) identified in Box No. VI as item(s):	:				
Sub-total number of sheets: 24 sequence listings:	7. 🗆	translation of international application into (language):	:				
tables related thereto (for both, actual number of	8. 🗆	separate indications concerning deposited microorganism or other biological material					
sheets if filed in paper form, whether or not also filed in	9. 🗆	sequence listings in computer readable form (indicate type and number of carriers)					
computer readable form; see (c) below)		copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application)	١.				
Total number of sheets : 24 (b) □ only in computer readable form	(ii)	(only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the	, .				
(Section 801(a)(i)) (i) sequence listings	Giii	purposes of international search under Rule 13ter together with relevant statement as to the identity of the copy or	:				
(ii) tables related thereto		copies with the sequence listings mentioned in left column tables in computer readable form related to sequence listings	*				
(c) also in computer readable form (Section 80 I (a)(ii))		(indicate type and number of carriers)					
(i) ☐ sequence listings (ii) ☐ tables related thereto	(i)	copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application)					
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(ii)	(only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the	•				
contained the	(iii)	purposes of international search under Section 802(b-quater) together with relevant statement as to the identity of the copy or	:				
☐ tables related thereto:		copies with the tables mentioned in left column	:				
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column) 11. \square other (specify):							
Figure of the drawings which	Languag	e of filing of the ENGLISH					
should accompany the abstract: Box No. X SIGNATURE OF APPLICAN	 	onal application: ENGLISH OR COMMON REPRESENTATIVE					
Next to each signature, indicate the name of the person sign	ning and the	capacity in which the person signs (if such capacity is not obvious from reading th	ne requesi).				
		· · · · · · · · · · · · · · · · · · ·					
NAME OF REPRESENTATIVE							
Chartered UK Patent Attorney/European Pa	atent Attor	ney					
Boult Wade Tennant	700						
÷	For re-	ceiving Office use only					
Date of actual receipt of the purported		2. Drawin	105.				
international application:			_				
3 Corrected data of agoust receipt due to leter h		recei	ved:				
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:							
	·						
4. Date of timely receipt of the required corrections under PCT Article 11(2):							
5. International Searching Authority (if two or more are competent): ISA /		6. Transmittal of search copy delayed until search fee is paid					
For International Bureau use only							
Date of receipt of the record copy by the International Bureau:							